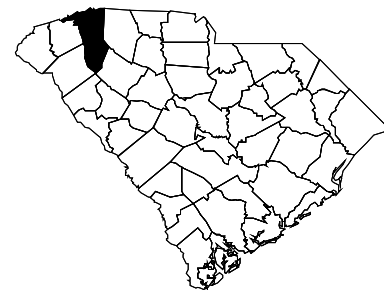


# IMPACT OF CHRONIC CONDITIONS GREENVILLE County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Greenville county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Greenville county's population is similar to the state population. The majority (38%) of the population in Greenville county are between the ages of 18-44, and there are more females (51%) than males (49%). However, Greenville county has a lower minority population (21%) than the state (31%). When adults in Greenville DHEC's Region 2, which includes Greenville County, were asked about their general health status, 84.1% reported having excellent, very good, or good health in 2005 (SC was 82%).

	GREENVILLE COUNTY	STATE
<b>Population size</b>	407,383	4,255,083
<b>Age distribution (%)</b>		
<18	24	24
18-44	38	38
45-64	26	25
65-84	11	11
85+	2	2
<b>Race (%)</b>		
White	79	69
Black & Other	21	31
<b>Sex (%)</b>		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Greenville County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	21	22
Sedentary lifestyle	23	26
Overweight	58	65
High Cholesterol	35	37

Some preventive measures such immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

<b>HYPERTENSION AND HYPERTENSIVE DISEASE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	26.2	.	.	.	.	31.7
Number of hospitalizations	286	153	133	129	157	5,032
Crude rate of hospitalizations (per 100,000)	70	180	41	65	76	118
Median age of hospitalized patients	57	52	67	52	62	57
Total cost of hospitalization (\$)	6,311,100	3,231,800	3,079,300	2,907,800	3,403,300	109,400,500
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ED visits	545	297	248	253	292	7,466
Crude rate of ED visits (per 100,000)	134	349	77	127	141	175
Median age of ED patients	52	47	57	47	52	52
Total cost of ED visits (\$)	755,800	417,500	338,300	344,200	411,600	9,929,000
Number of deaths**	25	5	19	12	13	423
Age-Adjusted Death rate (per 100,000)**	6	9	6	7	5	10

<b>DISEASES OF THE HEART</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.3	.	.	.	.	4.1
Number of hospitalizations	5,007	984	4,023	2,838	2,169	60,901
Crude rate of hospitalizations (per 100,000)	1,229	1,156	1,248	1,419	1,046	1,431
Median age of hospitalized patients	67	62	67	62	72	67
Total cost of hospitalization (\$)	219,573,800	37,200,300	182,373,500	134,796,600	84,777,200	2,286,836,400
Average length of hospital stay (days)	5	6	5	5	5	5
Number of ED visits	1,076	290	785	576	500	12,989
Crude rate of ED visits (per 100,000)	264	341	244	288	241	305
Median age of ED patients	62	57	67	62	67	62
Total cost of ED visits (\$)	3,053,000	719,600	2,333,400	1,715,900	1,337,100	42,115,900
Number of deaths**	778	138	636	412	366	9,328
Age-Adjusted Death rate (per 100,000)**	194	256	184	253	149	218

<b>STROKE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.2	.	.	.	.	3
Number of hospitalizations	960	212	748	449	511	13,925
Crude rate of hospitalizations (per 100,000)	236	249	232	225	246	327
Median age of hospitalized patients	72	62	72	67	72	72
Total cost of hospitalization (\$)	29,882,300	7,366,700	22,515,600	15,589,900	14,292,400	384,441,600
Average length of hospital stay (days)	8	10	7	9	7	6
Number of ED visits	154	31	123	75	79	2,515
Crude rate of ED visits (per 100,000)	38	36	38	38	38	59
Median age of ED patients	67	57	72	67	72	67
Total cost of ED visits (\$)	459,700	75,400	384,300	234,000	225,700	9,113,000
Number of deaths**	194	29	165	75	119	2,440
Age-Adjusted Death rate (per 100,000)**	50	55	49	49	49	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	957	220	737	409	548	15,753
Crude rate of hospitalizations (per 100,000)	235	259	229	205	264	370
Median age of hospitalized patients	62	52	67	62	62	62
Total cost of hospitalization (\$)	17,092,100	3,559,600	13,532,500	7,323,000	9,769,100	268,425,300
Average length of hospital stay (days)	5	5	6	5	5	5
Number of ED visits	3,346	1,364	1,981	1,604	1,742	36,543
Crude rate of ED visits (per 100,000)	821	1,603	615	802	840	859
Median age of ED patients	37	27	42	27	37	37
Total cost of ED visits (\$)	3,341,800	1,248,900	2,092,900	1,593,900	1,747,900	40,613,700
Number of deaths**	176	18	157	89	87	1,968
Age-Adjusted Death rate (per 100,000)**	45	36	46	56	37	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	9.3	.	.	.	.	10.3
Number of hospitalizations	602	235	367	328	274	9,027
Crude rate of hospitalizations (per 100,000)	148	276	114	164	132	212
Median age of hospitalized patients	50	47	52	47	52	52
Total cost of hospitalization (\$)	12,979,600	5,418,600	7,561,000	7,218,700	5,760,900	179,747,700
Average length of hospital stay (days)	6	6	6	6	6	6
Number of ED visits	688	335	353	308	380	9,603
Crude rate of ED visits (per 100,000)	169	394	110	154	183	226
Median age of ED patients	47	52	47	47	52	52
Total cost of ED visits (\$)	914,700	417,000	497,700	421,400	493,300	13,447,300
Number of deaths**	120	31	87	56	64	1,183
Age-Adjusted Death rate (per 100,000)**	30	60	26	34	27	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1,550	320	1,230	789	761	16,389
Crude rate of hospitalizations (per 100,000)	380	376	382	395	367	385
Median age of hospitalized patients	62	62	67	62	67	62
Total cost of hospitalization (\$)	68,658,500	14,472,000	54,186,500	38,436,300	30,222,200	664,309,500
Average length of hospital stay (days)	9	10	9	10	8	8
Number of deaths**	730	135	590	407	323	8,617
Age-Adjusted Death rate (per 100,000)**	178	237	169	240	137	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	186	30	156	100	86	2,070
Crude rate of hospitalizations (per 100,000)	46	35	48	50	41	49
Median age of hospitalized patients	67	65	70	67	72	67
Total cost of hospitalization (\$)	8,983,400	1,670,300	7,313,100	5,038,200	3,945,200	101,377,700
Average length of hospital stay (days)	11	11	11	12	10	10
Number of deaths**	70	14	55	44	26	812
Age-Adjusted Death rate (per 100,000)**	17	26	16	26	11	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	113	24	89	-	113	1,228
Crude rate of hospitalizations (per 100,000)	54	55	54	-	74	56
Median age of hospitalized patients	62	52	62	-	62	62
Total cost of hospitalization (\$)	2,910,700	570,800	2,339,900	-	2,910,700	26,163,000
Average length of hospital stay (days)	3	3	3	-	3	3
Number of deaths**	59	12	47	-	59	651
Age-Adjusted Death rate (per 100,000)**	25	33	24	-	25	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	14	9	5	-	14	192
Crude rate of hospitalizations (per 100,000)	7	21	3	-	7	9
Median age of hospitalized patients	55	57	47	-	55	47
Total cost of hospitalization (\$)	214,900	142,800	72,100	-	214,900	4,668,500
Average length of hospital stay (days)	3	3	3	-	3	4
Number of deaths**	7	2	5	-	7	63
Age-Adjusted Death rate (per 100,000)**	3	6	3	-	3	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	189	32	157	110	79	2,181
Crude rate of hospitalizations (per 100,000)	46	38	49	55	38	51
Median age of hospitalized patients	67	62	67	67	67	67
Total cost of hospitalization (\$)	8,580,000	1,394,600	7,185,400	4,726,100	3,853,900	92,775,300
Average length of hospital stay (days)	9	10	9	9	10	9
Number of deaths**	233	43	188	147	86	2,703
Age-Adjusted Death rate (per 100,000)**	56	72	53	82	36	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	127	26	101	127	-	1,209
Crude rate of hospitalizations (per 100,000)	64	62	64	66	-	58
Median age of hospitalized patients	62	65	62	62	-	62
Total cost of hospitalization (\$)	3,418,200	728,200	2,690,000	3,418,200	-	30,356,600
Average length of hospital stay (days)	4	4	3	4	-	4
Number of deaths**	28	9	19	28	-	460
Age-Adjusted Death rate (per 100,000)**	20	54	16	20	-	30

\*Prevalence estimates at regional level

\*\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Balcks and Others.

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